

Converting Colors

$Y_{xy}(16.0432, 0.6337, 0.3350)$

Have a look what the booklet for
Yxy(16.0432, 0.6337, 0.3350)
contains.

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Color

Yxy(16.0659, 0.6337, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	DE1500
RGB	222, 21, 0
RGB Percent	87%, 8%, 0%
CMY	0.1294, 0.9174, 0.9997
CMYK	0.00, 0.91, 1.00, 0.13
HSL	6°, 100%, 44%
HSV	6°, 100%, 87%
XYZ	30.3909, 16.0659, 1.5011
YIQ	78.7050, 126.5370, 36.0810

Conversions

Conversions Part 2

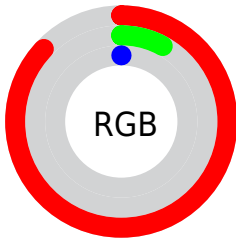
Format	Color
RYB	222, 23, 0
Decimal	14554368
CIELab	47.06, 70.09, 60.77
CIELCh	47, 92.767, 40.926
Yxy	16.0659, 0.6337, 0.3350
Android (android.graphics.Color)	4292744448 (0xFFDE1500)
YUV	78.7050, -38.8016, 125.6697
Hunter-Lab	40.0823, 65.1971, 25.8372

Details

The Yxy color **16.0659, 0.6337, 0.3350** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **47.0461, 0.2163, 0.2987**, and the grayscale version is **7.8247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7299, 0.5559, 0.3589**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.0646, 0.6337, 0.3350**, and if you desaturate by 10%, it is **17.1841, 0.6127, 0.3389**.

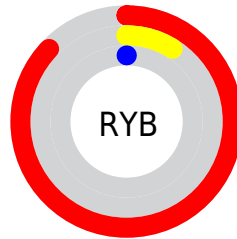
Distribution



Red (87%)

Green (8%)

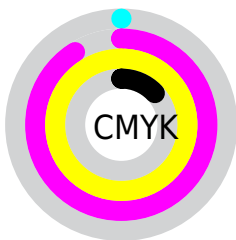
Blue (0%)



Red (87%)

Yellow (9%)

Blue (0%)

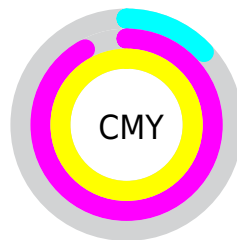


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (92%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0659, 0.6337, 0.3350 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 16.0659, 0.6337, 0.3350 by changing the saturation by 10% instead.


 16.0659, 0.6337,
0.3350


 16.0659, 0.6337,
0.3350


 229.7303, 0.4623,
0.3593


 9.5708, 0.6745,
0.3182


 36.7126, 0.5737,
0.3530

 5.1153, 0.7131,
0.2869

 51.6329, 0.5499,
0.3569


 2.3151, 0.7594,
0.2406

 70.1305, 0.5296,
0.3590

 0.7817, 0.8257,
0.1743

 92.5897, 0.5121,
0.3601

 0.0000, 1.0000,
0.0000


 119.3948, 0.4970,
0.3604

 0.0000, 0.0000,
0.0000


 150.9304, 0.4839,


0.3603

 187.5807, 0.4724,
0.3599

 16.0659, 0.6337,
0.3350


 16.0659, 0.6337,
0.3350

 16.0646, 0.6337,
0.3350

 17.1841, 0.6127,
0.3389

 19.0787, 0.5787,
0.3422

 21.8675, 0.5357,
0.3436

 25.6433, 0.4902,
0.3433

 30.4873, 0.4472,
0.3417

■ 36.4721, 0.4094,
0.3394

■ 43.6641, 0.3775,
0.3367

■ 52.1244, 0.3513,
0.3340

■ 61.9100, 0.3300,
0.3314

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.0659, 0.5795, 0.2562



16.0659, 0.6337, 0.3350



16.0659, 0.5662, 0.4338

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.0659, 0.6337, 0.3350



16.0659, 0.1734, 0.5869



16.0659, 0.1288, 0.1123

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.0659, 0.6337, 0.3350



47.0461, 0.2163, 0.2987

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.0659, 0.0825, 0.1237



16.0659, 0.6337, 0.3350



16.0659, 0.0936, 0.3348

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.0659, 0.6337, 0.3350



16.0659, 0.2980, 0.6698



16.0659, 0.0705, 0.1814



16.0659, 0.2295, 0.1318

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.0659, 0.6337, 0.3350



16.0659, 0.4832, 0.5168



16.0659, 0.0705, 0.1814



16.0659, 0.1086, 0.1124

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.0669, 0.6337, 0.3350



59.5015, 0.3783, 0.3368



19.8653, 0.3433, 0.1665



11.8000, 0.3911, 0.3379



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.0669, 0.6337, 0.3350



21.9183, 0.6344, 0.3345



31.3669, 0.5179, 0.4270



13.9080, 0.3290, 0.3313



9.6142, 0.6323, 0.3361



0.7389, 0.6133, 0.3513

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.0461, 0.2163, 0.2987



64.3032, 0.2162, 0.2984



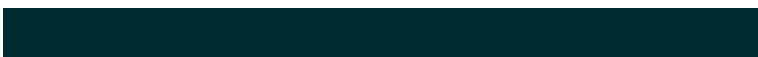
13.0211, 0.1692, 0.1292



15.3390, 0.2982, 0.3267



28.0340, 0.2164, 0.2992



2.0086, 0.2178, 0.3041

Previews

White Background



This preview shows how the Yxy color 16.0659, 0.6337, 0.3350 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0659, 0.6337, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 16.0659, 0.6337, 0.3350.



This preview shows how white text looks on a background with the Yxy color 16.0659, 0.6337, 0.3350.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.0659, 0.6337, 0.3350

Protanopia

16.4061, 0.4278, 0.4721

Tritanopia

16.0856, 0.6304, 0.3331

Trichromacy



Original Color

16.0659, 0.6337, 0.3350

Protanomaly

13.4624, 0.5326, 0.4010

Tritanomaly

16.0791, 0.6315, 0.3338

Monochromacy



Original Color

16.0659, 0.6337, 0.3350

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.0817, 0.4871, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0659, 0.6337, 0.3350 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 21, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 21, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.0659, 0.6337, 0.3350 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 21, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(222, 21, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(222, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 16.0659, 0.6337, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 21, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222, 21,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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